

10/584024

SEQUENCE LISTING

IAP20 Rec'd PGI/PTO 22 JUN 2006

<110> CropDesign N.V.

<120> Plants having increased yield and method for making the same

<130> 1187-31

<150> PCT/EP2004/053683

<151> 2004-12-22

<150> US 60/532,287

<151> 2003-12-22

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1311

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

<223> A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 and a T instead of C on position 1295

<400> 1

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| gtacaggaga gttttgtacg aataacgaga tcacgagcta aaaaagccat gggaagagga | 120 |
| gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag | 180 |
| gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaggg aggcaacatc | 240 |
| aaggcaaaca gaaaatgtct aaaagagcct aaaaaagcag caaaggaagg tgctaacagt | 300 |
| gccatggata ttctggtaga tatgcataca gaaaaatcaa aattagcaga agatttgtcc | 360 |
| aagatcagga tggctgaagc ccaagatgtc tctctttcaa actttaaaaga tgaagaaatt | 420 |
| actgagcaac aagaagatgg atcaggtgtc atggagttac ttcaagttgt agatattgat | 480 |
| tccaacgtcg aagatccaca gtgttgacgc ttgtatgctg ctgatatata tgacaacata | 540 |
| catgttgacg agcttcaaca acgacccttg gctaattata tggagcttgt gcagcgagat | 600 |
| atcgaccag acatgagaaa gattctgatt gactggcttg tagaagtttc tgacgactac | 660 |
| aagctggttc cagatacgct ttaccttaca gtgaatctta tcgaccggtt tctgtccaac | 720 |
| agttacattg aaaggcaaag actccagctc cttggtgtct cttgcatgct tatagcttca | 780 |

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aaatatgaag agctttccgc accaggggtg gaggagtttt gcttcattac ggccaacaca      840
tacacaagac cagaagtgct gagcatggag attcaaattc taaattttgt gcactttaga      900
ttatcggttc ctaccaccaa aacatttctg aggcgggttca ttaaagcagc tcaagcttcg      960
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gtggaatata gtttcctaag gttcctgcc aactaattg ctgcttcagc tgttttccta     1080
gcccgatgga cactcgacca aactgaccat ccttggaacc ctactctgca aactacacc     1140
agatatgagg tagctgagct gaagaacaca gttctcgcca tggaggactt gcagctcaac     1200
accagtggct gtactctgc tgcacccgt gagaaatata accaaccaaa gtttaagagc     1260
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<210> 2
<211> 436
<212> PRT
<213> Arabidopsis thaliana

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<220>
<221> MISC_FEATURE
<223> A variant of the sequence deposited under accession number
      NP_568248 contains an arginine instead of a proline on position
      284 and a phenylalanine instead of a serine on position 432

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Ser Thr Ser Asp Val Gln Glu Ser Phe Val Arg Ile Thr Arg Ser Arg
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Ala Lys Lys Ala Met Gly Arg Gly Val Ser Ile Pro Pro Thr Lys Pro
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Ser Phe Lys Gln Gln Lys Arg Arg Ala Val Leu Lys Asp Val Ser Asn
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Thr Ser Ala Asp Ile Ile Tyr Ser Glu Leu Arg Lys Gly Gly Asn Ile
65              70              75              80

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Lys Ala Asn Arg Lys Cys Leu Lys Glu Pro Lys Lys Ala Ala Lys Glu
      85              90              95

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Gly Ala Asn Ser Ala Met Asp Ile Leu Val Asp Met His Thr Glu Lys
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Ser Lys Leu Ala Glu Asp Leu Ser Lys Ile Arg Met Ala Glu Ala Gln
115 120 125

Asp Val Ser Leu Ser Asn Phe Lys Asp Glu Glu Ile Thr Glu Gln Gln
130 135 140

Glu Asp Gly Ser Gly Val Met Glu Leu Leu Gln Val Val Asp Ile Asp
145 150 155 160

Ser Asn Val Glu Asp Pro Gln Cys Cys Ser Leu Tyr Ala Ala Asp Ile
165 170 175

Tyr Asp Asn Ile His Val Ala Glu Leu Gln Gln Arg Pro Leu Ala Asn
180 185 190

Tyr Met Glu Leu Val Gln Arg Asp Ile Asp Pro Asp Met Arg Lys Ile
195 200 205

Leu Ile Asp Trp Leu Val Glu Val Ser Asp Asp Tyr Lys Leu Val Pro
210 215 220

Asp Thr Leu Tyr Leu Thr Val Asn Leu Ile Asp Arg Phe Leu Ser Asn
225 230 235 240

Ser Tyr Ile Glu Arg Gln Arg Leu Gln Leu Leu Gly Val Ser Cys Met
245 250 255

Leu Ile Ala Ser Lys Tyr Glu Glu Leu Ser Ala Pro Gly Val Glu Glu
260 265 270

Phe Cys Phe Ile Thr Ala Asn Thr Tyr Thr Arg Pro Glu Val Leu Ser
275 280 285

Met Glu Ile Gln Ile Leu Asn Phe Val His Phe Arg Leu Ser Val Pro
290 295 300

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser
305 310 315 320

Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala

325

330

335

Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
 340 345 350

Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
 355 360 365

Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
 370 375 380

Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
 385 390 395 400

Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
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Leu Phe Ser Arg
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 <213> Oryza sativa

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 ccttatcaca ttgacacata aagtgagtga tgagtcataa tattattttt tttgctaccc 420
 atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag 480
 gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540
 aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa 600

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<211> 56

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<213> Artificial sequence

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<223> primer PRM582

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<211> 52

<212> DNA

<213> Artificial sequence

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<223> primer PRM583

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